1	1 AO. (New)	A method for c	ontrolling dat	a transmiss	sion ove	r a data n	etwork, the
2	method comprising:						
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copying data to be transmitted from a main memory in a host computer to a buffer memory in a network controller while unallocated buffer memory locations remain available;

transmitting data from the buffer memory over a physical link of the data network when a threshold quantity of the data has been copied to the buffer memory; and providing an indication to the host computer that a frame of data has been

successfully transmitted over the physical link of the data network when the frame of data has been merely copied to the buffer memory.

1 4. (New) The method of claim 40, further comprising:

unallocating memory locations in the buffer memory upon successful transmission of the frame of data over the physical link.

1 42. (New) The method of claim 46, wherein the threshold quantity of data is less than 2 a frame of data.

1 43. (New) The method of claim 46, wherein the threshold quantity of data is greater 2 than a frame of data.

1 44. (New) The method of claim 40, wherein the network controller monitors transmit events while transmitting data over the physical link of the data network.

1 A5. (New) The method of claim A4, wherein the network controller maintains a

2 statistical history of transmit events identified while transmitting data over the physical

3 link of the data network.

1 46. (New) An apparatus facilitating the transmission of data over a physical link of a data network, the apparatus comprising:

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- a buffer memory having a plurality of memory locations; and
- 4 a controller, coupled to the buffer memory, to initiate transmission of data over
- 5 the physical link once a threshold quantity of data has been copied into the buffer memory
- 6 from a communicatively coupled host computer, and to provide an indication to the host
- 7 computer of successful frame transmission over the physical link when a predetermined
- 8 quantity of data has been merely copied to the buffer memory.
- 1 47. (New) The apparatus of claim 46, wherein the predetermined quantity of data is a
- 2 frame of data.
- 1 48. (New) The apparatus of claim 46, wherein the indication is a transmit complete
- 2 signal.
- 1 49. (New) The apparatus of claim 46, wherein the controller monitors transmit events
- while data is being transmitted over the physical link of the data network.
- 1 50. (New) The apparatus of claim 46, further comprising a storage medium wherein a
- 2 statistical history compiled by the controller is maintained.
- 1 51. (New) A storage medium having stored therein a plurality of executable
- 2 instructions which, when executed, implement a transmission flow control service in a
- 3 network controller having a number of functions including a function to provide to a
- 4 communicatively coupled host computer an indication of successful transmission of a
- 5 predetermined quantity of data over a physical link of a data network when, in fact, the
- 6 predetermined quantity of data has merely been copied from the host computer to a buffer
- 7 memory of the network controller, before actual transmission of the predetermined
- 8 quantity of data over the physical link has been completed.
- 1 52. (New) The storage medium of claim 51, wherein the transmission flow control
- 2 service further comprises a function to monitor transmit events which occur on the data

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